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APR 25

TECH CENTER 1600/2900

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## RAW SEQUENCE LISTING

DATE: 04/21/2003

PATENT APPLICATION: US/09/820,003B

TIME: 19:48:00

Input Set : N:\AMC\820003.txt

Output Set: N:\CRF4\04212003\I820003B.raw

4 <110> APPLICANT: MERKULOV, Gennady et al.  
6 <120> TITLE OF INVENTION: ISOLATED HUMAN RAS-LIKE PROTEINS,  
7 NUCLEIC ACID MOLECULES ENCODING THESE HUMAN RAS-LIKE  
8 PROTEINS, AND USES THEREOF  
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13 <141> CURRENT FILING DATE: 2001-03-29  
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61 35 40 45
62 Lys Ile Arg Thr Ile Glu Leu Asp Gly Lys Thr Ile Lys Leu Gln Ile
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64 Glu Ser Phe Asn Asn Val Lys Gln Trp Leu Gln Glu Ile Asp Arg Tyr
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255 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn gagtgcagtg gcacaatctt ggcttactgc 9900
```

RAW SEQUENCE LISTING ERROR SUMMARY  
PATENT APPLICATION: US/09/820,003B

DATE: 04/21/2003  
TIME: 19:48:01

Input Set : N:\AMC\820003.txt  
Output Set: N:\CRF4\04212003\I820003B.raw

**Please Note:**

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:3; N Pos. 8801,8802,8803,8804,8805,8806,8807,8808,8809,8810,8811,8812  
Seq#:3; N Pos. 8813,8814,8815,8816,8817,8818,8819,8820,8821,8822,8823,8824  
Seq#:3; N Pos. 8825,8826,8827,8828,8829,8830,8831,8832,8833,8834,8835,8836  
Seq#:3; N Pos. 8837,8838,8839,8840,8841,8842,8843,8844,8845,8846,8847,8848  
Seq#:3; N Pos. 8849,8850,8851,8852,8853,8854,8855,8856,8857,8858,8859,8860  
Seq#:3; N Pos. 8861,8862,8863,8864,8865,8866,8867,8868,8869,8870,8871,8872  
Seq#:3; N Pos. 8873,8874,8875,8876,8877,8878,8879,8880,8881,8882,8883,8884  
Seq#:3; N Pos. 8885,8886,8887,8888,8889,8890,8891,8892,8893,8894,8895,8896  
Seq#:3; N Pos. 8897,8898,8899,8900,8901,8902,8903,8904,8905,8906,8907,8908  
Seq#:3; N Pos. 8909,8910,8911,8912,8913,8914,8915,8916,8917,8918,8919,8920  
Seq#:3; N Pos. 8921,8922,8923,8924,8925,8926,8927,8928,8929,8930,8931,8932  
Seq#:3; N Pos. 8933,8934,8935,8936,8937,8938,8939,8940,8941,8942,8943,8944  
Seq#:3; N Pos. 8945,8946,8947,8948,8949,8950,8951,8952,8953,8954,8955,8956  
Seq#:3; N Pos. 8957,8958,8959,8960,8961,8962,8963,8964,8965,8966,8967,8968  
Seq#:3; N Pos. 8969,8970,8971,8972,8973,8974,8975,8976,8977,8978,8979,8980  
Seq#:3; N Pos. 8981,8982,8983,8984,8985,8986,8987,8988,8989,8990,8991,8992  
Seq#:3; N Pos. 8993,8994,8995,8996,8997,8998,8999,9000,9001,9002,9003,9004  
Seq#:3; N Pos. 9005,9006,9007,9008,9009,9010,9011,9012,9013,9014,9015,9016  
Seq#:3; N Pos. 9017,9018,9019,9020,9021,9022,9023,9024,9025,9026,9027,9028  
Seq#:3; N Pos. 9029,9030,9031,9032,9033,9034,9035,9036,9037,9038,9039,9040  
Seq#:3; N Pos. 9041,9042,9043,9044,9045,9046,9047,9048,9049,9050,9051,9052  
Seq#:3; N Pos. 9053,9054,9055,9056,9057,9058,9059,9060,9061,9062,9063,9064  
Seq#:3; N Pos. 9065,9066,9067,9068,9069,9070,9071,9072,9073,9074,9075,9076  
Seq#:3; N Pos. 9077,9078,9079,9080,9081,9082,9083,9084,9085,9086,9087,9088  
Seq#:3; N Pos. 9089,9090,9091,9092,9093,9094,9095,9096,9097,9098,9099,9100  
Seq#:3; N Pos. 9101,9102,9103,9104,9105,9106,9107,9108,9109,9110,9111,9112  
Seq#:3; N Pos. 9113,9114,9115,9116,9117,9118,9119,9120,9121,9122,9123,9124  
Seq#:3; N Pos. 9125,9126,9127,9128,9129,9130,9131,9132,9133,9134,9135,9136  
Seq#:3; N Pos. 9137,9138,9139,9140,9141,9142,9143,9144,9145,9146,9147,9148  
Seq#:3; N Pos. 9149,9150,9151,9152,9153,9154,9155,9156,9157,9158,9159,9160  
Seq#:3; N Pos. 9161,9162,9163,9164,9165,9166,9167,9168,9169,9170,9171,9172  
Seq#:3; N Pos. 9173,9174,9175,9176,9177,9178,9179,9180,9181,9182,9183,9184  
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Seq#:3; N Pos. 9197,9198,9199,9200,9201,9202,9203,9204,9205,9206,9207,9208  
Seq#:3; N Pos. 9209,9210,9211,9212,9213,9214,9215,9216,9217,9218,9219,9220  
Seq#:3; N Pos. 9221,9222,9223,9224,9225,9226,9227,9228,9229,9230,9231,9232  
Seq#:3; N Pos. 9233,9234,9235,9236,9237,9238,9239,9240,9241,9242,9243,9244  
Seq#:3; N Pos. 9245,9246,9247,9248,9249,9250,9251,9252,9253,9254,9255,9256  
Seq#:3; N Pos. 9257,9258,9259,9260,9261,9262,9263,9264,9265,9266,9267,9268  
Seq#:3; N Pos. 9269,9270,9271,9272,9273,9274,9275,9276,9277,9278,9279,9280  
Seq#:3; N Pos. 9281,9282,9283,9284,9285,9286,9287,9288,9289,9290,9291,9292  
Seq#:3; N Pos. 9293,9294,9295,9296,9297,9298,9299,9300,9301,9302,9303,9304  
Seq#:3; N Pos. 9305,9306,9307,9308,9309,9310,9311,9312,9313,9314,9315,9316  
Seq#:3; N Pos. 9317,9318,9319,9320,9321,9322,9323,9324,9325,9326,9327,9328

RAW SEQUENCE LISTING ERROR SUMMARY      DATE: 04/21/2003  
PATENT APPLICATION: US/09/820,003B      TIME: 19:48:01

Input Set : N:\AMC\820003.txt  
Output Set: N:\CRF4\04212003\I820003B.raw

Seq#:3; N Pos. 9329,9330,9331,9332,9333,9334,9335,9336,9337,9338,9339,9340  
Seq#:3; N Pos. 9341,9342,9343,9344,9345,9346,9347,9348,9349,9350,9351,9352  
Seq#:3; N Pos. 9353,9354,9355,9356,9357,9358,9359,9360,9361,9362,9363,9364  
Seq#:3; N Pos. 9365,9366,9367,9368,9369,9370,9371,9372,9373,9374,9375,9376  
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Seq#:3; N Pos. 9389,9390,9391,9392,9393,9394,9395,9396,9397,9398,9399,9400  
Seq#:3; N Pos. 9401,9402,9403,9404,9405,9406,9407,9408,9409,9410,9411,9412

VERIFICATION SUMMARY

DATE: 04/21/2003

PATENT APPLICATION: US/09/820,003B

TIME: 19:48:01

Input Set : N:\AMC\820003.txt

Output Set: N:\CRF4\04212003\I820003B.raw

L:237 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:8760  
M:341 Repeated in SeqNo=3